



# PROJECT HIGHLIGHT

## SAFETY IS FOUNDATION OF SUCCESS IN LONG-TERM PROJECT

Long-term remediation projects often require an advanced level of planning and coordination with a multitude of subcontractors. Careful selection of reliable supply chain partners throughout the project lifecycle is a critical factor in service efficiency and the overall success of a project. This project highlights the contributions of a world-class safety program despite significant health and safety hazards.

### PROJECT OVERVIEW

Cascade was selected to provide drilling services in association with the site characterization of a 350-acre former chemical manufacturing site.

Crews collected soil samples and installed monitoring wells using sonic and hollow stem auger technologies over the course of three years. This complex site presented several serious safety concerns: multiple subcontractor crews working on a single site, Level B personal protective equipment (PPE) required in extreme heat conditions, and a long-term commitment of crews and equipment.

**PROJECT:** Former chemical manufacturing site

**TECHNOLOGY:** Sonic, auger

### RESULTS

Cascade's CORE™ Health and Safety Program provided the framework to successfully accomplish the project goals while reducing the risk of harm to human health and the environment. A detailed workplan outlined safe work procedures to complying with the Level B PPE requirements during daytime temperatures in excess of 115° F. It included an alternative work schedule of night hours, frequent breaks with monitoring of vital signs for all crew members, cooled-air break tent, and additional hydration. Crews were trained on signs and symptoms of heat-related illness and granted stop-work authority should conditions present an eminent danger.

Comprehensive preventative maintenance and inspection activities ensured equipment was running smoothly and reduced the costly risk of downtime. Cascade also increased efficiency and safety by committing the same crew and equipment for the duration of the project. This decision reduced potential hazards associated with introducing new drillers on a complex and unfamiliar site.

After three years, Cascade crews have logged more than 12,000 man hours without a single reportable safety incident.



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